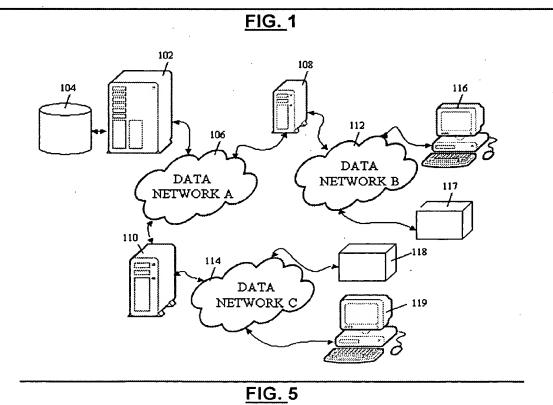


Figure 1: Video Delivery Architecture over Wide Area Network



4

from Remote Central Server

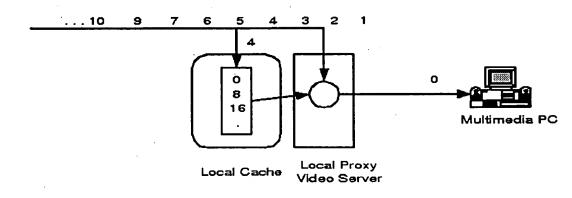
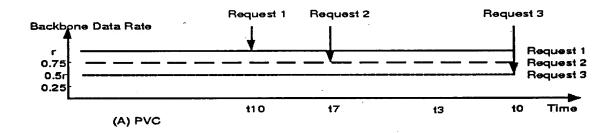
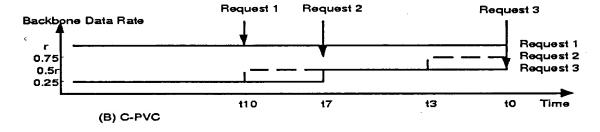


FIG. 2





<u>FIG.</u> 4

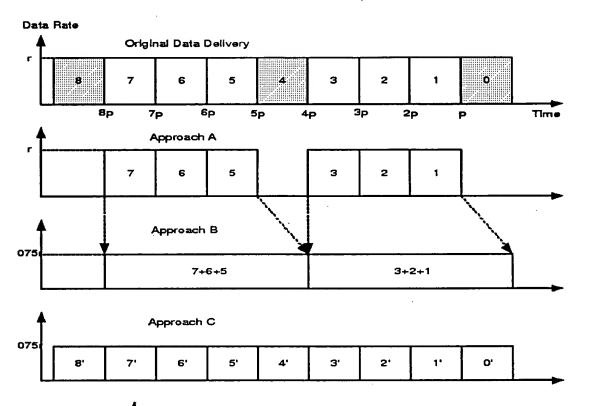
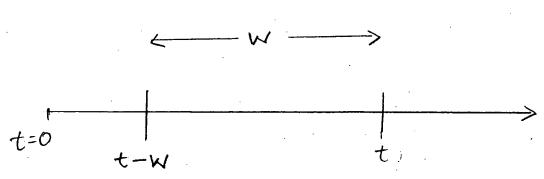


Figure 3: Three Possible Caching Approaches with N=4

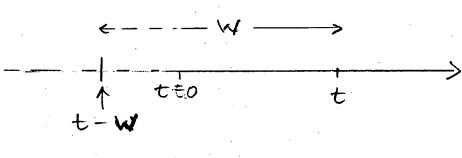
4/10

		1320							
		v_i^1	/	v_i^2		$\left(\begin{array}{c} v_i \\ \end{array}\right)$	· · · · · ·	v_i^{10}	v_J^{100}
134 134 134 134 135 130 130 130 130 130 130 130 130 130 130	1	$v_i^{b_1^1}$	111	$v_{i}^{b_{2}^{1}}$	1:12	$v_i^{b_j^1}$	-i(l)	$v_i^{b_{10}^1}$	1110
		$v_i^{b_1^2}$	721	$v_i^{b_2^2}$	5è72	$v_i^{b_j^2}$		$v_{i}^{b_{10}^{2}}$	1210
		$v_i^{b_1^3}$	-131	$v_i^{b_2^3}$	-132	$v_i^{b_j^3}$	-131	$v_i^{b_{10}^3}$	1310
		$v_i^{b_1^4}$	-:41	$v_i^{b_2^4}$	-142	$v_i^{b_j^4}$	-145	$v_{i}^{b_{10}^{4}}$	-1410
		$v_i^{b_1^5}$	-i51	$v_i^{b_2^5}$	-i52	$v_i^{b_j^5}$	-i5j	$v_i^{b_{10}^5}$	4510
		$v_i^{b_1^6}$	- 161	$v_i^{b_2^6}$	-162	$v_i^{b_j^6}$	-16j	$v_i^{b_{10}^6}$	-1610
		$v_i^{b_1^7}$	-171	$v_i^{b_2^7}$:172	$v_i^{b_j^7}$	-175	$v_{i}^{b_{10}^{7}}$	-1710
		$v_i^{b_1^8}$	ri81	$v_i^{b_2^8}$	_182	$v_i^{b_j^8}$	_i8j	$v_i^{b_{10}^8}$	-1810
		$v_i^{b_1^9}$	-191	$v_i^{b_2^9}$	-192	$v_i^{b_j^9}$	-i9j	$v_i^{b_{10}^9}$	1910
		$v_i^{b_1^{10}}$	-ù01	$v_i^{b_2^{10}}$	-1102	$v_i^{b_j^{10}}$	1105	$v_i^{b_{10}^{10}}$	Li 1010

FIG SE

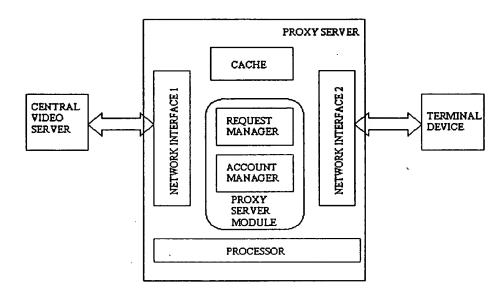


F16.3C



F14.3D

DSESFILE DSGE



<u>FIG.</u> 6

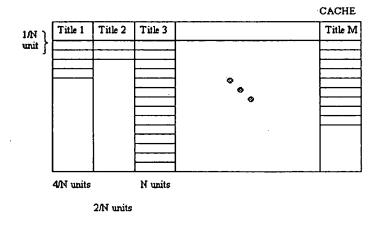


FIG. 7

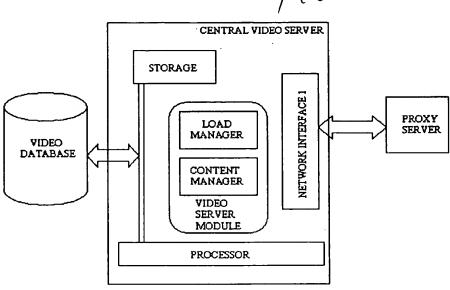


FIG. 8

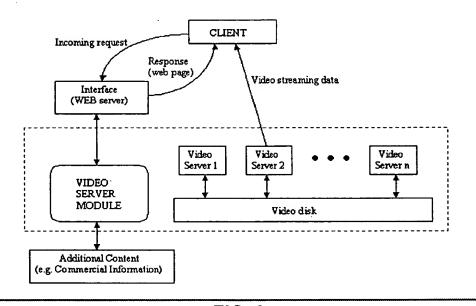


FIG. 9

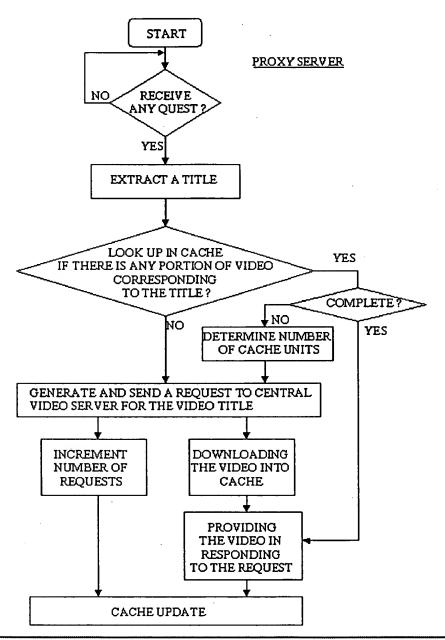


FIG. 10

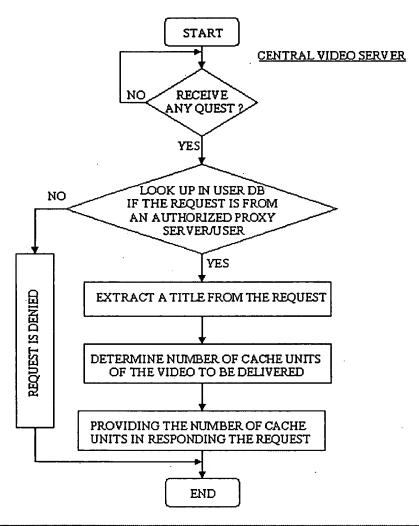


FIG. 11

